

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

5N 157B Lookout Place

FEB 16 1990

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

Gentlemen:

In the Matter of
Tennessee Valley Authority

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)

Docket Nos. 50-259
50-260
50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - MONTHLY OPERATING REPORT FOR THE MONTH OF
JANUARY 1990

In accordance with the requirements of the BFN Technical Specifications (TS)
Section 6.9.1.3, TVA is submitting the Monthly Operating Report for the month
of January 1990.

If you have any questions, please telephone Patrick P. Carrier, BFN,
(205) 729-3570.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

M. J. Ray Jr.
Manager, Nuclear Licensing
and Regulatory Affairs

Enclosure
cc (Enclosure):

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Institute of Nuclear Power Operations
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Atlanta, Georgia 30389

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MONTHLY OPERATING REPORT

BROWNS FERRY NUCLEAR PLANT

TENNESSEE VALLEY AUTHORITY

JANUARY 1990

DOCKET NUMBERS 50-259, 50-260, AND 50-296
LICENSE NUMBERS DPR-33, DPR-52, AND DPR-68

0277k/5

OPERATIONAL SUMMARY
JANUARY 1990

UNIT 1

Unit remains on administrative hold to resolve various TVA and NRC concerns.

UNIT 2

Unit remains on administrative hold to resolve various TVA and NRC concerns. Modification, operation, and maintenance work continues to support restart.

UNIT 3

Unit remains on administrative hold to resolve various TVA and NRC concerns.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-259

UNIT One

DATE 02/09/90

COMPLETED BY S. A. Ratliff

TELEPHONE (205) 729-2937

MONTH JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>-2</u>	17	<u>-2</u>
2	<u>-2</u>	18	<u>-2</u>
3	<u>-2</u>	19	<u>-2</u>
4	<u>-2</u>	20	<u>-2</u>
5	<u>-1</u>	21	<u>-2</u>
6	<u>-3</u>	22	<u>-2</u>
7	<u>-2</u>	23	<u>-2</u>
8	<u>-2</u>	24	<u>-2</u>
9	<u>-1</u>	25	<u>-2</u>
10	<u>-2</u>	26	<u>-2</u>
11	<u>-2</u>	27	<u>-3</u>
12	<u>-2</u>	28	<u>-2</u>
13	<u>-2</u>	29	<u>-2</u>
14	<u>-2</u>	30	<u>-2</u>
15	<u>-2</u>	31	<u>-1</u>
16	<u>-2</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-260
 Unit Two
 DATE 02/09/90
 COMPLETED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

MONTH JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>-7</u>	17	<u>-8</u>
2	<u>-7</u>	18	<u>-8</u>
3	<u>-8</u>	19	<u>-7</u>
4	<u>-8</u>	20	<u>-9</u>
5	<u>-8</u>	21	<u>-6</u>
6	<u>-9</u>	22	<u>-8</u>
7	<u>-8</u>	23	<u>-8</u>
8	<u>-7</u>	24	<u>-8</u>
9	<u>-1</u>	25	<u>-8</u>
10	<u>-15</u>	26	<u>-13</u>
11	<u>-8</u>	27	<u>-9</u>
12	<u>-8</u>	28	<u>-5</u>
13	<u>-8</u>	29	<u>-7</u>
14	<u>-8</u>	30	<u>-8</u>
15	<u>-8</u>	31	<u>-7</u>
16	<u>-7</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-296

Unit Three

DATE 02/09/90

COMPLETED BY S. A. Ratliff

TELEPHONE (205) 129-2937

MONTH JANUARY 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	-3	17	-3
2	-2	18	-11
3	-1	19	-3
4	-4	20	-3
5	-3	21	-2
6	-4	22	-3
7	-3	23	-2
8	-2	24	-3
9	-2	25	-3
10	-7	26	-3
11	-3	27	-4
12	-3	28	-3
13	-3	29	-3
14	-3	30	-3
15	-2	31	-2
16	-3		

OPERATING DATA REPORT

DOCKET NO. 50-219
 DATE January 1990
 COMPLETED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

	!Notes	!
1. Unit Name: <u>Browns Ferry Unit One</u>	!	!
2. Reporting Period: <u>January 1990</u>	!	!
3. Licensed Thermal Power (Mwt): <u>3293</u>	!	!
4. Nameplate Rating (Gross MWe): <u>1152</u>	!	!
5. Design Electrical Rating (Net MWe): <u>1065</u>	!	!
6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u>	!	!
7. Maximum Dependable Capacity (Net MWe): <u>1065</u>	!	!
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u>		

9. Power Level To Which Restricted, If Any (Net MWe): N/A
 10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744</u>	<u>744</u>	<u>162272</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>59521</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>69⁰⁷</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>58267</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>168066787</u>
17. Gross Electrical Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>55398130</u>
18. Net Electrical Energy Generated (MWh)	<u>-1393</u>	<u>-1393</u>	<u>53454001</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>35.9</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>35.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>30.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>30.9</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>59.4</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: To be determined

OPERATING DATA REPORT

DOCKET NO. 50-260
 DATE January 1990
 COMPLETED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

	!Notes	!
1. Unit Name: <u>Browns Ferry Unit Two</u>	!	!
2. Reporting Period: <u>January 1990</u>	!	!
3. Licensed Thermal Power (Mwt): <u>3293</u>	!	!
4. Nameplate Rating (Gross MWe): <u>1152</u>	!	!
5. Design Electrical Rating (Net MWe): <u>1065</u>	!	!
6. Maximum Dependable Capacity (Gross MWe): <u>1098.4</u>	!	!
7. Maximum Dependable Capacity (Net MWe): <u>1065</u>	!	!
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons: <u>N/A</u>		

9. Power Level To Which Restricted, If Any (Net MWe): N/A
 10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744</u>	<u>744</u>	<u>157159</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>55860</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>14200</u>
14. Hours Generator On-Line	<u>0</u>	<u>0</u>	<u>54338</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>153245167</u>
17. Gross Electrical Energy Generated (MWh)	<u>0</u>	<u>0</u>	<u>50771798</u>
18. Net Electrical Energy Generated (MWh)	<u>-5775</u>	<u>- 5775</u>	<u>49008076</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>34.6</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>34.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>29.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>29.3</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>59.9</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: Under Review
 0277k/11

OPERATING DATA REPORT

DOCKET NO. 50-296
 DATE January 1990
 COMPLETED BY S. A. Ratliff
 TELEPHONE (205) 729-2937

OPERATING STATUS

- | | Notes |
|---|-------|
| 1. Unit Name: <u>Browns Ferry Unit Three</u> | ! |
| 2. Reporting Period: <u>January 1990</u> | ! |
| 3. Licensed Thermal Power (Mwt): <u>3293</u> | ! |
| 4. Nameplate Rating (Gross Mde): <u>1152</u> | ! |
| 5. Design Electrical Rating (Net Mde): <u>1065</u> | ! |
| 6. Maximum Dependable Capacity (Gross Mde): <u>1098.4</u> | ! |
| 7. Maximum Dependable Capacity (Net Mde): <u>1065</u> | ! |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
<u>N/A</u> | ! |

9. Power Level To Which Restricted, If Any (Net Mde): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours in Reporting Period	<u>744</u>	<u>744</u>	<u>139584</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>0</u>	<u>45306</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>5150</u>
14. Hours Generator On Line	<u>0</u>	<u>0</u>	<u>44195</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>131868267</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>0</u>	<u>43473760</u>
18. Net Electrical Energy Generated (MWH)	<u>-2367</u>	<u>-2367</u>	<u>41875823</u>
19. Unit Service Factor	<u>0</u>	<u>0</u>	<u>31.7</u>
20. Unit Availability Factor	<u>0</u>	<u>0</u>	<u>31.7</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>0</u>	<u>28.2</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>0</u>	<u>28.2</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>100</u>	<u>64.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): <u>N/A</u>			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: To be determined

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1990DOCKET NO: 50-259UNIT NAME: OneDATE: 02/2/90COMPLETED BY: S. A. RatliffTELEPHONE: (205) 729 2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
315	06/01/85	F	745	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
S: Scheduled

²Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training and License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation of Existing Outage
5-Reduction
9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1990DUCKET NO: 50-260UNIT NAME: TwoDATE: 02/2/90COMPLETED BY: S. A. RatliffTELEPHONE: (205) 729-2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	System Code ⁴	Component Code ⁵	Cause and Corrective Action to Prevent Recurrence
305	09/15/84	F	745	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
S: Scheduled

²Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-regulatory Restriction
E-Operator Training and License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation of Existing Outage
5-Reduction
9-Other

⁴Exhibit G-Instructions
for Preparation of Data
Entry sheets for Licensee
Event Report (LER) File
(NUREG-061)

⁵Exhibit I-Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH: January 1990DOCKET NO: 50-296UNIT NAME: ThreeDATE: 02/2/90COMPLETED BY: S. A. RatliffTELEPHONE: (205) 729-2937

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report No.	Svstem Code ⁴	Component Code ⁵	ause and Corrective Action to Prevent Recurrence
157	03/03/85	F	745	F	4				Administrative hold to resolve various TVA and NRC concerns.

¹F: Forced
S: Scheduled

² Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training and License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation of Existing Outage
5-Reduction
9-Other

⁴Exhibit G-Instructions for Preparation of Data Entry sheets for Licensee Event Report (LER) File (NUREG-061)

⁵Exhibit I-Same Source

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